Create a HashTable to maintain a bank detail which includes Account number and Customer name. Let Account number be the key in the HashTable. Write a Java program to implement the following operations in the HashTable

1. Add 3 records
2. Display the size of HashTable
3. Clear the HashTable

CODE:

import java.util.Hashtable;

import java.util.Scanner;

public class BankDetails {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Create a Hashtable to store bank details

Hashtable<Integer, String> bankDetails = new Hashtable<>();

// Add 3 records to the Hashtable

for (int i = 0; i < 3; i++) {

System.out.println("Enter account number:");

int accountNumber = scanner.nextInt();

scanner.nextLine(); // Consume newline character

System.out.println("Enter customer name:");

String customerName = scanner.nextLine();

bankDetails.put(accountNumber, customerName);

}

// Display the size of the Hashtable

System.out.println("Size of the Hashtable: " + bankDetails.size());

// Clear the Hashtable

bankDetails.clear();

System.out.println("Hashtable cleared.");

scanner.close(); // Closing the scanner object

}

}

OUTPUT:

C:\javap>javac BankDetails.java

C:\javap>java BankDetails

Enter account number:

4786 7910 1354 0618

Enter customer name:

Aashrita Attada

Enter account number:

7910 1354 0618 4786

Enter customer name:

Kalyan

Enter account number:

1354 0618 4786 7910

Enter customer name:

Likitha

Size of the Hashtable: 3

Hashtable cleared.

